

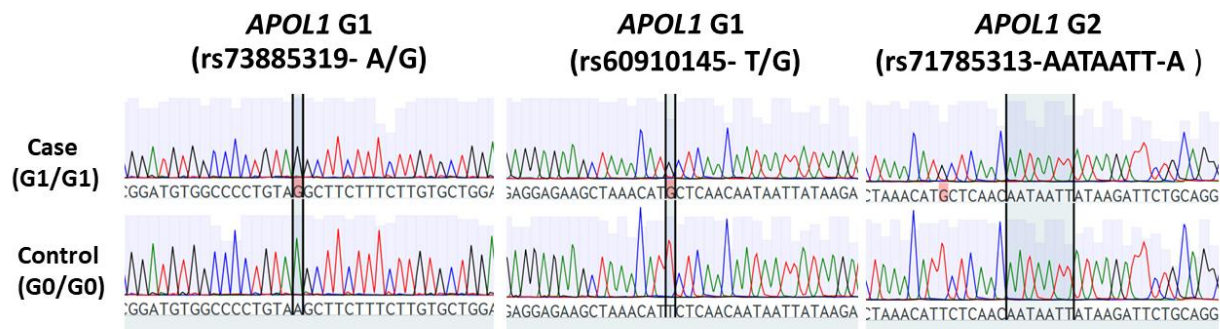
Supplementary material:

Supplementary methods: *APOL1* Genotyping

DNA was extracted from paraffin embedded tissue from kidney biopsy using the protocol described in QIAamp DNA FFPE Tissue Kit Manual. The *APOL1* G1 risk allele is represented by both rs73885319 and rs60910145 missense variants, and the G2 risk allele is a 6 bp deletion (rs71785313, formerly rs143830837)⁷. Genotyping for the *APOL1* G1 and G2 variants was conducted using PCR amplification and Sanger sequencing. Analysis of sequence data demonstrated that the patient was homozygous for the G1 allele.

Supplementary figure:

Chromatogram of rs73885319 and rs60910145 sequence, representing the linked missense variants for the *APOL1* G1 risk allele, and rs71785313 sequence, representing the 6 bp deletion for the *APOL1* G2 risk allele. The patient is homozygous for the G1 allele.



Supplementary References:

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- S4. Zhang C, Wu Z, Li JW, *et al.* The cytokine release syndrome (CRS) of severe COVID-19 and Interleukin-6 receptor (IL-6R) antagonist Tocilizumab may be the key to reduce the mortality. *Int J Antimicrob Agents* 2020: 105954.
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- S8. Moghadas SM, Shoukat A, Fitzpatrick MC, *et al.* Projecting hospital utilization during the COVID-19 outbreaks in the United States. *Proc Natl Acad Sci U S A* 2020.
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